

C L A I M S

- 1 1. Instrument to measure the hanging masses for machines which operate with traction cables, of the type made up of a central body (1), in which some stops (2) are incorporated to support the cables (9) of application, while centrally a cable (9) pressure element (6) is situated, including in the central body (1) electronic components to show the tension variations of the cables and translate them into weight units, characterized in that the cable (9) pressure element (6) of application is made up of a cylinder of resistant material and smooth surface, fastening the mentioned cylinder (6) by means of tightening screws (7) on a support (4) fixed to the central body (1), with inclusion of some cylindrical washers (8) which separate the mentioned cylinder (6) from the support (4) at the fastenings, establishing a separating distance of the mentioned cylinder (6) respect to the central body (1), for the passage of the cable (9) of application.
- 5 2. Instrument to measure the hanging masses for machines which operate with traction cables, according to the first claim, characterized in that the cylindrical washers (8) can be substituted for others with different lengths, to establish the separation between the cylinder (6) and the central body (1) in function of the diameter of the cables (9) of application in each case.
- 10 3. Instrument to measure the hanging masses for machines which operate with traction cables, according to the first claim, characterized in that the electronic components housed in the central body (1) are included with terminals (10 and 11) for external connections.